

AMENDMENTS TO THE SPECIFICATION

Please replace Paragraph [0023] with the following:

[0023] Referring to the drawings in general and to Figure 1 in particular, it will be understood that the illustrations are for the purpose of describing a preferred embodiment of the invention and are not intended to limit the invention thereto. As best seen in Figure 1, an appliance, generally designated 10, is shown constructed according to the present invention. The appliance 10 includes a converter 14, a hydrogen storage container 12, a charger 16, a discharger 20, an exhaust 28, and a controller 18. The hydrogen storage container 12 includes a nanostructured material 22 such as, for example, a carbon-based material.

Please replace Paragraph [0026] with the following:

[0026] The charger 16 is capable of assisting with the storage of the substantially carbon-free gaseous hydrogen in a condensed state. To that end, the charger 16 further includes a conditioner [[30]] (not shown) for facilitating the charging the nanostructured material 22 with hydrogen. The conditioner [[30]] may include[[s]] any of a number mechanisms that result in the storage of hydrogen. For example, the conditioner [[30]] may condition (1) the gaseous hydrogen to a prescribed state such as, for example, a prescribed temperature and pressure; (2) the nanostructured material 22 to a prescribed state such as, for example prescribed temperature and pressure; and (3) both (1) and (2). To that end, the conditioner may include any one of a cooler, a pressurizer, and a cooler and pressurizer. It is contemplated that the cooler is capable of operating over a broad range of temperatures (e.g., between about -50°C and 15°C). Also, it is contemplated that the pressurizer is capable of operating over a broad range of pressures including subatmospheric, atmospheric, superatmospheric, and hyperatmospheric (e.g., between about 20 torr and 1000 pounds per square inch absolute (psia)). It will be appreciated that the charger 16 communicates hydrogen to the hydrogen storage container 12 that is provided by a hydrogen supply line 24 communicating with a hydrogen supply 26.

Appl. No. 10/689,398
Reply to Office action dated October 15, 2007
Attorney Docket 131553-1

Please replace Paragraph **[0036]** with the following:

[0036] Step 214, Initiate Converter 14 Operation: In this step, the appliance 10
operation is initiated by initiating the operation of the converter **[[13]]** 14.